Deployable Entry-system Project (ADEPT)

Completed Technology Project (2012 - 2013)

Project Introduction

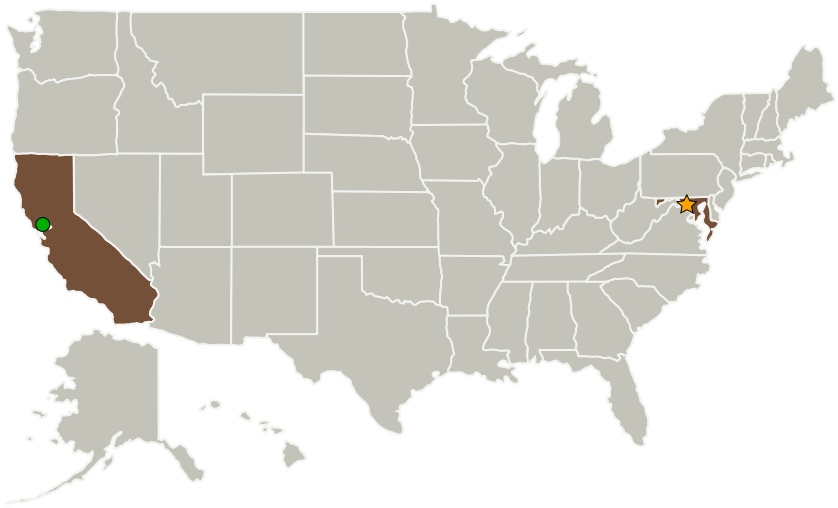
The Deployable Entry-system ProjecT (ADEPT) primary objective of this effort is to develop an alternative approach to atmospheric entry that is appropriate for future missions.

The Deployable Entry-system ProjecT (ADEPT) will develop requirements for the ADEPT flight test. Prior entry systems used high mass thermal protection systems. This project is focused on increasing the TRL of an alternative, deployable entry system that is appropriate for medium size planetary missions.

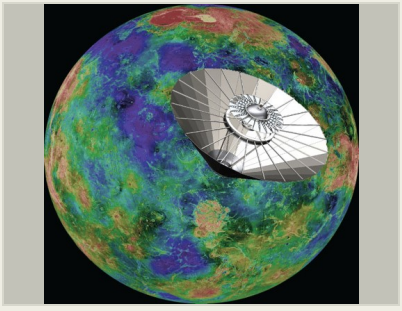
Anticipated Benefits

N/A

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★Goddard Space Flight Center(GSFC)	Lead Organization	NASA Center	Greenbelt, Maryland
●Ames Research Center(ARC)	Supporting Organization	NASA Center	Moffett Field, California



Deployable Entry-system Project

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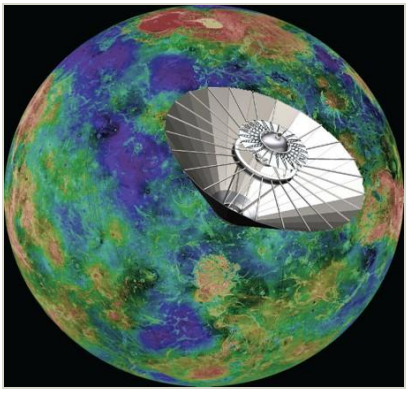
Primary U.S. Work Locations	
California	Maryland

Images



Deployable Entry-system Project
Deployable Entry-system Project *(https://techport.nasa.gov/image/4219)*

Project Website:

http://sciences.gsfc.nasa.gov/sed/

Organizational Responsibility

Responsible Mission Directorate:
Mission Support Directorate (MSD)

Lead Center / Facility:
Goddard Space Flight Center (GSFC)

Responsible Program:
Center Independent Research & Development: GSFC IRAD

Project Management

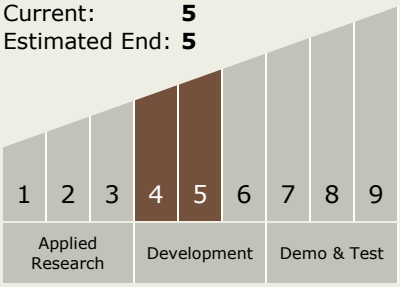
Program Manager:
Peter M Hughes

Project Manager:
Brook Lakew

Principal Investigator:
Lori S Glaze

Technology Maturity (TRL)

Start: **4**
Current: **5**
Estimated End: **5**



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Technology Areas

Primary:

- TX09 Entry, Descent, and Landing
  - TX09.2 Descent
    - TX09.2.1 Aerodynamic Decelerators